Public Health (61-62)

Sensitive Receptors

61. *Please provide a map (i.e., one that shows water bodies, structures, etc), drawn to scale, that includes, at a minimum, the facility emission points, property boundary, the Menifee Valley Ranch development, the point of maximum impact, and the 25 identified and any known planned sensitive receptors for the cancer and non cancer acute and chronic risks. U.S. Geologic Survey 7.5 minute maps are an appropriate base map choice.*

Response: See Figure DR61-1, attached.

Cancer Risk Assessment

62. *Provide maps, at the same scale as that prepared for the previous data request that show cancer risk assessment contours for the probability of 1 occurrence and for 10 occurrences in a million, and the noncancer acute and chronic hazard index contours for levels of 0.5 and for 1.0. Include the facility location and property boundary on the maps.*

Response: The health risk assessment was assessed with over 10,000 receptors on a 10 x 10 km grid with 100-meter spacing. Only six receptor locations were modeled with 70-year cancer risks greater than one in a million and these six receptors were clustered around two separate areas, which are located in complex terrain. These points do not provide sufficient data on which to base a true isopleth map, but describe two small areas when interpolated as 1.0E-06 isopleths. These areas are shown on Figure DR62-1.

There were no modeled cancer risks of 10×10^{-6}. Thus, no isopleth can be plotted. Similarly, there are no isopleths for non-cancer acute or chronic health effects at levels of 0.5 and 1.0 as these impact levels were not shown to exist based on the modeling output.

LEGEND

- Project Site
- Tower Locations

Sensitive Receptors

- Daycare
- GNIS School
- Hospital
- Maximum Impact Receptor
- Nursing Home
- Private School
- Public School
- Menifee Valley Ranch
- 6 Mile Buffer

N

7,200 0 7,200 Feet

SCALE: 1:86,400

FIGURE DR61-1
SENSITIVE RECEPTORS
ROMOLAND, CALIFORNIA

CH2MHILL

File Path: V:\SunValley_CCEP\sourcedata\mxds\Sensitive_Receptors.mxd, Date: March 29, 2006,

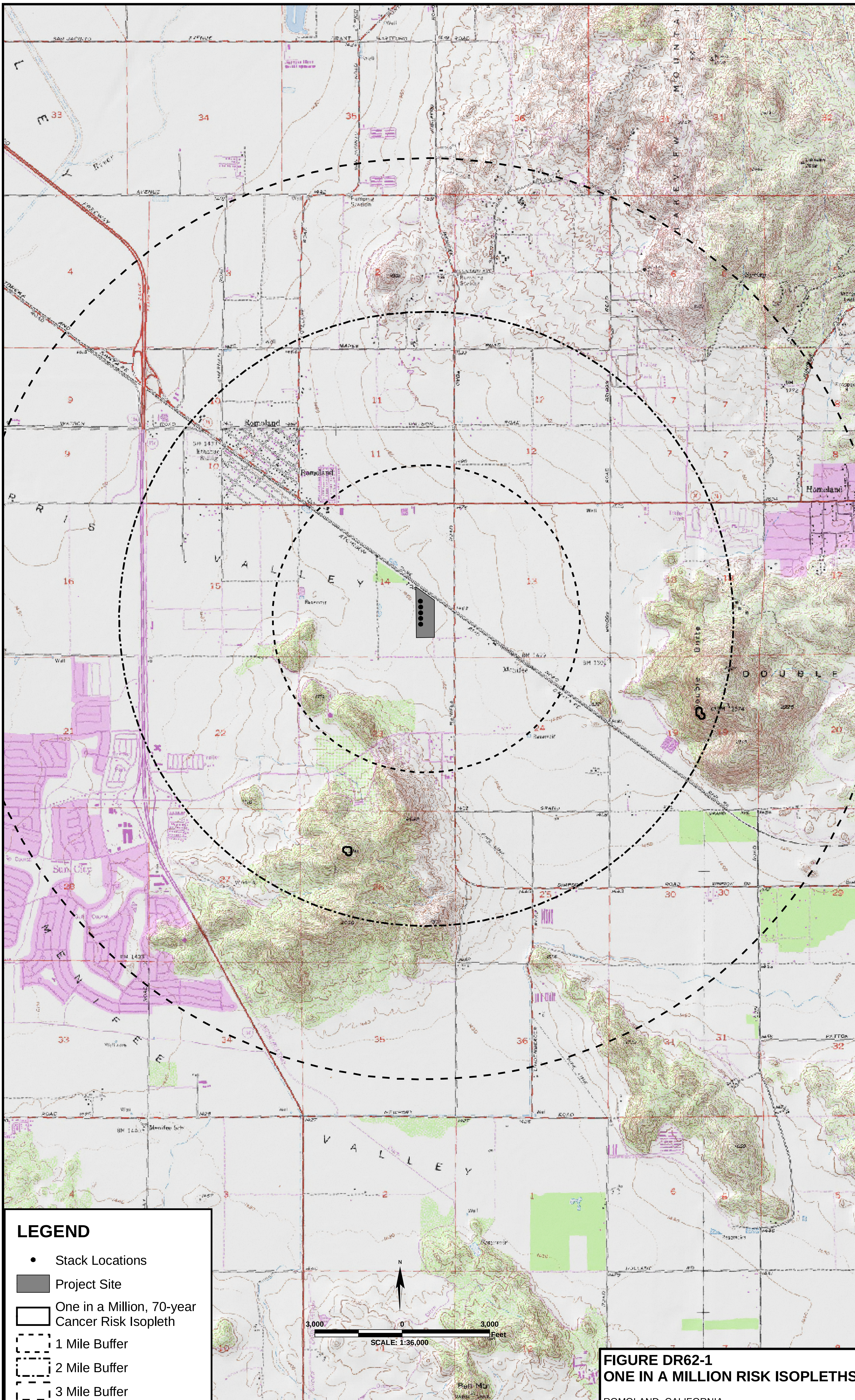

FIGURE DR62-1
ONE IN A MILLION RISK ISOPLETHS

ROMOLAND, CALIFORNIA

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